

WHAT IS CLAIMED:

1. A system to provide toll-free or reduced toll Internet access, comprising:

a computing node configured to generate and transmit a destination packet having

5 destination information indicative of a subscriber server with which the computing node is to communicate;

an access network for receiving the destination packet transmitted by the computing node and forwarding the destination packet; and

a management server on which one or more subscriber servers for providing toll-free or
10 reduced toll Internet access to the computing node are registered, wherein

said management server receives the destination packet forwarded by the access network and determines whether the destination information is indicative of the registered subscriber server.

2. The system of claim 1, wherein the management server transmits an authorization to
15 the computing node when a determination is made that the destination information is indicative of the registered subscriber server.

3. The system of claim 2, wherein after receipt of the authorization, the computing node communicates toll-free or at a reduced toll with the registered subscriber server via an exchange of network packets.

20 4. The system of claim 1, wherein the management server transmits a non-authorization to the computing node when a determination is made that the destination information is not indicative of the registered subscriber server and the computing node does not communicate toll-free or at a reduced toll with the registered subscriber server via an exchange of network packets.

5. The system of claim 1, wherein the computing node generates and transmits an authentication request to the management server before transmitting the destination packet.

6. The system of claim 1, including a plurality of computing nodes, each computing node configured to generate and transmit a destination packet having destination information
5 indicative of a subscriber server with which the computing node is to communicate.

7. The system of claim 1, wherein the access network is coupled to the management server and the one or more subscriber servers over the Internet.

8. The system of claim 1, further including a client to capture a plurality of network packets generated by the computing node including the destination packet and to transmit the
10 destination packet.

9. The system of claim 1, wherein the management server includes a registration table to store destination information indicative of the one or more subscriber servers for providing toll-free or reduced toll Internet access to the computing node.

10. The method of providing toll free or reduced toll internet access, comprising
15 generating and transmitting a destination packet having destination information indicative of a subscriber server with which a computing node is to communicate;

receiving the destination packet, at an access network, and forwarding the destination packet;

receiving the destination packet forwarded from the access network at a management
20 server, the management server on which one or more subscriber servers for providing toll-free or reduced toll Internet access to the computing node are registered; and

determining whether the destination information is indicative of a registered subscriber server.

11. The method of claim 10, further including transmitting an authorization to the computing node when a determination is made that the destination information is indicative of the registered subscriber server.

12. The method of claim 11, further including communicating toll-free or at a reduced
5 toll with the registered subscriber server, after receipt of the authorization, via an exchange of network packets.

13. The method of claim 10, further including generating and transmitting an authentication request before transmitting the destination packet.

14. The method of claim 10, further including capturing, by a client, a plurality of
10 network packets including the destination packet generated by the computing node, and transmitting the destination packet.

15. A computing node to receive toll-free or reduced toll Internet access, comprising:
a software application to generate a plurality of network packets including at least one
packet, the at least one packet including destination identification information; and

15 a client to receive the plurality of network packets including the at least one packet from the software application, wherein the client transmits the destination identification information to a management server to determine whether the destination identification information corresponds to a subscriber server that is registered with the management server to allow toll-free or reduced toll Internet access to the computing node.

20 16. The computing node of claim 15, wherein the client receives an authorization from the management server if the destination identification information is determined to correspond to the subscriber server registered with the management server to allow toll-free or reduced toll Internet access.

17. The computing node of claim 16, wherein the client transmits the plurality of network packets to the subscriber server toll-free or at the reduced toll if the client receives the authorization.

18. A computing node to receive toll-free or reduced toll Internet access, comprising:
5 a software application to generate a plurality of network packets including at least one packet, the at least one packet including destination identification information; and

a client to receive the plurality of network packets including the at least one packet from the software application, wherein the client determines whether the destination identification information corresponds to a subscriber server that is registered to provide toll-free or reduced
10 toll Internet access by utilizing an internal table, wherein the internal table includes a list of subscriber servers registered to allow toll-free or reduced toll Internet access by the computing node.

19. The computing node of claim 18, wherein the client transmits the plurality of network packets to the registered subscriber server if the internal table includes the registered
15 subscriber server.

20. A method of providing toll-free or reduced toll access to a global communications network, comprising:

receiving at least one packet having destination identification information;

transmitting the destination identification information from the at least one packet;

20 receiving the destination identification information; and

determining whether the destination identification information corresponds to a subscriber server that is registered with the management server to provide the toll-free or reduced toll access to a computing node.

21. The method of claim 20, wherein the management server receives the destination identification information and determines whether the destination identification information corresponds to the registered subscriber server.

22. The method of claim 21, further including the management server transmitting an authorization to a client in the computing node to identify that the destination identification information corresponds to the subscriber server that is registered with the management server to provide toll-free or reduced toll access to the computing node.

23. The method of claim 22 further including transferring the plurality of network from the computing node if the authorization is received by the client in the computing node.

24. The method of claim 21, further including the management server transmitting a non-authorization signal to a client in the computing node if the destination identification information does not correspond to the registered subscriber server.

25. The method of claim 20, wherein the subscriber table receives the destination identification information determines whether the destination identification information corresponds to the registered subscriber server.

26. The method of claim 20 further including authenticating the client and the computing node, before the computing node generates the plurality of network packets, by transmitting an authentication request to the management server and receiving authentication from the management server.

27. The method of claim 20, further including authenticating the client and the computing node, before the computing node generates the plurality of network packets, by transmitting an authentication request to an existing user authentication server and receiving an authentication from the management server.

28. A method to provide toll free or reduced toll Internet access, comprising:

receiving, from a computing node, a destination packet having destination identification information;

transmitting the destination identification information from the destination packet; and

5 receiving an authorization verifying that the destination identification information corresponds to a subscriber server that is registered to allow toll free or reduced toll Internet access by the computing node.

29. The method of claim 28, wherein the authorization signal is received from a management server.

10 30. The method of claim 28, wherein the authorization signal is received from a subscriber table.

31. The method of claim 28, further including transmitting a plurality of network packets generated by the computing node, to the subscriber server that is registered to allow toll-free or reduced toll Internet access by the computing node, if the authorization signal is received.

15 32. The method of claim 28, further including authenticating the client, before a computing node generates a plurality of network packets including the destination packet, by transmitting an authentication request to the management server and receiving an authentication signal from the management server.

20 33. The method of claim 28, further including authenticating the client, before a computing node generates a plurality of network packets including the destination packet, by transmitting an authentication request to an existing user authentication server and receiving an authentication signal from the existing user authentication server.

34. A computer-readable medium having encoded thereon a computer-readable program code which when executed causes a computing node to:

receive, from a computing node, a destination packet having destination identification information;

5 transmit the destination identification information from the destination packet; and
receive an authorization verifying that the destination identification information corresponds to a subscriber server that is registered to allow toll free or reduced toll Internet access by the computing node.

35. The computer-readable program code of claim 34 which when executed causes the
10 computing node to transmit the destination identification information from the destination packet to a management server to determine whether the destination identification information corresponds to the registered subscriber server.

36. The computer-readable program code of claim 34, which when executed causes the
15 computing node to utilize a subscriber table within the client to determine whether the destination identification information corresponds to the registered subscriber server.

37. The computer-readable program code of claim 34, which when executed causes the computing node to transmit a plurality of network packets generated by the computing node to the subscriber server if the client receives an authorization signal.

38. The computer readable program code of claim 34, which when executed causes the
20 computing node to authenticate a client before the plurality of network packets are generated by the computing node, by transmitting an authentication request to the management server.

39. A client installed on a computing node, comprising:

an input module to receive a plurality of network packets including at least one packet having destination identification information and the input module to transmit the at least one packet; and

a subscriber server determination module to receive the at least one packet, to extract the
5 destination identification information, and to determine whether the destination identification information corresponds to a registered subscriber server.

40. The client of claim 39, further including a transmission module, wherein if the subscriber server determination module determines that the destination identification information corresponds to the registered subscriber server, the subscriber server determination module
10 transmits a signal to the input module to transfer the plurality of network packets to the transmission module.

41. The client of claim 39, where the subscriber server determination module determines whether the destination identification information corresponds to the registered subscriber server by communicating the destination identification information to a management server to and
15 receives an authorization back from the management server if the destination identification information corresponds to the registered subscriber server.

42. The client of claim 39, wherein the subscriber server determination module determines whether the destination identification information corresponds to a registered subscriber server by checking a subscriber table within the client to verify the destination
20 identification information is included in the subscriber table.

43. The client of claim 39, wherein the subscriber table is updated when a computing node including the client logs on or off an access network which is coupled to the Internet.

44. The client of claim 43, wherein the subscriber table is updated by inserting a magnetic, optic, or static-electrical media including an updated subscriber table into the computing node media reader.

45. The client of claim 39, further including an authentication module to authenticate the client, before the input module receives the plurality of network packets, by transmitting an authentication request to a management server.

46. The client of claim 39, further including an authentication module to authenticate the client before the input module receives the plurality of network packets by transmitting an authentication request to an existing user authentication server.

47. A method of registering as a toll-free subscriber, comprising:
receiving destination identification information from a subscriber server; and
updating a table in a management server to register the subscriber server.

48. The method of claim 47, wherein a subscriber, which controls the subscriber server, establishes a business model with a toll-free service provider, which controls the management server, before or after the subscriber server is registered.

49. The method of claim 48, wherein the business model is one of a block prepay based on number of connects business model, a pay-per-use based on number of connects business model, a pay based on a volume of connects business model, a pay based on bandwidth usage business model, a pay based on a type of access network used business model, a pay based on the type of computing device used by user business model, a pay based on the user priority business model, and a pay by the hour business model.